& FRIEL LLP

February 9, 2000

Box Patent Application Assistant Commissioner for Patents Washington, D. C. 20231

Enclosed herewith for filing is a patent application, as follows:

Inventor(s): Rogone, Mary S.; Rogone, Philip N.

Title: Infant Positioning Device

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This Transmittal Letter (in duplicate)
page(s) Specification (not including claims)

page(s) Claims
page Abstract

8 Sheet(s) of Drawings

page(s) Declaration For Patent Application and Power of Attorney

page(s) Recordation Form Cover Sheet (in duplicate)

1\_ page(s) Assignment

page(s) Verified Statement Claiming Small Entity Status (37 CFR 1.9(f) & 1.27(c))--Small

**Business Concern** 

page(s) PTO Form 1449 citing 5 references Copy(ies) of 5 Cited References submitted

Other:

# CLAIMS AS FILED (fees computed under 37 CFR §1.9(f))

| For  | Number<br><u>Filed</u> |         |       | Number<br>Extra |            | Rate        |   | \$<br>Basic Fee 345.00 |
|--|------------------------|---------|-------|-----------------|------------|-------------|---|------------------------|
| <u>For</u><br>Total Claims   | 20                     | -20     | =     | 0               | X          | \$ 9.00     | = | \$<br>0.00             |
| Independent  | Δ                      | -3      | =     | 1               | x          | \$39.00     | = | \$<br>39.00            |
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Attorney for Applicant(s)

Reg. No. 44,881

25 Metro Drive, Suite 700 San Jose, CA 95110 Phone 408 453-9200 Fax 408 453-7979

Austin, TX Newport Beach. CA San Francisco, CA

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Mary S. Rogone and Philip N. Rogone

Assignee: Small Beginnings, Inc.

Title: INFANT POSITIONING DEVICE

Serial No.: UNKNOWN Filed: HEREWITH

Examiner: UNKNOWN Group Art Unit: UNKNOWN

Docket No.: M-7599 US

January 28, 2000

ASSISTANT COMMISSIONER FOR PATENTS Washington, D. C. 20231

# VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) AND 1.27(c)) -- SMALL BUSINESS CONCERN

Sir:

I declare that I am an official empowered to act on behalf of the small business concern identified below:

NAME OF CONCERN: Small Beginnings, Inc.

ADDRESS OF CONCERN: 18090 Harbor Drive, Victorville, CA 92392

For purposes of paying reduced fees under Section 41 of Title 35 of the United States Code with regard to the invention entitled Infant Positioning Device by inventors Mary S. Rogone and Philip N. Rogone as described in:

| $\boxtimes$ | the specification filed herewith, |  |  |  |  |
|-------------|-----------------------------------|--|--|--|--|
|             | U.S. patent application,          |  |  |  |  |
|             | U.S. Patent issued .              |  |  |  |  |

I declare that the above concern qualifies as a small business concern as defined in 37 CFR 1.9(d) and 13 CFR 121, and more particularly 13 CFR 121.802, namely, (a) the concern's number of employees, including those of its affiliates, does not exceed 500 persons, and (b) the concern has not assigned, granted, conveyed, or licensed, and is under no obligation to assign, grant, convey, or license, any rights in the invention to any person who made it and could not be classified as an independent inventor under 37 CFR 1.9(c), or to any concern which would not qualify as a nonprofit organization under 37 CFR 1.9(e) or a small business concern under 37 CFR 121.802.

I declare that rights under contract or law have been conveyed to and remain with the above-identified small business concern with regard to this invention.

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25 METRO DRIVE SUITE 700 SAN JOSE, CA 95110 (408) 453-9200 FAX (408) 453-7979

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|   | If the rights held by the small business concern are not exclusive, each individual, concern, or organization having rights to the invention is listed below:  |  |  |  |
|---|--|--|--|--|
|   | NAME:  |  |  |  |
|   | ADDRESS:   |  |  |  |
|   | ☐ Individual ☐ Small Business Concern ☐ Nonprofit Org.   |  |  |  |
|   | NAME:  |  |  |  |
|   | ADDRESS:   |  |  |  |
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|   | I acknowledge my duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate per 37 CFR 1.28(b).   |  |  |  |
|   | I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom. |  |  |  |
|   | Signature: Mus Share Date: 1-29-00 Official's Name Mary S. Rogone  |  |  |  |
|   | Official's Title: President Concern's Name: Small Beginnings, Inc.   |  |  |  |
| П | Concent 8 Manie. Sman Deginnings, me.  |  |  |  |

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25 METRO DRIVE SUITE 700 SAN JOSE, CA 95110 (408) 453-9200 FAX (408) 453-7979

#### INFANT POSITIONING DEVICE

Mary S. Rogone Philip N. Rogone

#### BACKGROUND OF THE INVENTION

## 1. Field of the Invention

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The present invention relates generally to devices and methods for supporting infants and, in particular, to devices and methods for positioning infants which avoids undesired tactile stimulation of the infant.

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# 2. Description of Related Art

The sense of touch in a human being is highly developed in utero. Therefore, even the very immature 20 preterm neonate has an acute tactile sensitivity. Tactile stimulation (i.e. human touch) of a neonate can both arouse and soothe. In most cases, preterm neonates thrive from tactile stimulation. However, in some instances, tactile stimulation of a neonate, 25 especially an ill preterm neonate, may result in significant physiological consequences. For example, a physiologically stable preterm neonate, when subjected to human touch, may be benefited with increased activity, a faster regaining of birth weight, less crying, and better socialization with parents and 30 caregivers. However, in a physiologically unstable neonate, the benefits of touch may be outweighed by detrimental consequences, which may include blood pressure changes, alterations in cerebral blood flow, 35 hypoxia as well as other stress behaviors. Premature neonates who exhibit such symptoms when touched are

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usually referred to as "negative touch" or minimum stimulation patients.

In some cases, excessive tactile stimulation, which is continuously repeated, may cause the neonate to develop a touch aversion—an association of human touch with pain or extreme discomfort. Preterm neonates that have developed an aversion to touch typically cry uncontrollably, squirm away, flail arms and legs, and recoil when touched. To avoid these consequences, preterm neonates that exhibit symptoms of touch aversion or are negative touch should receive care that includes tactile interventions, such as minimal handling and body containment.

One particular aspect in the care of preterm neonates that generally requires lots of touching and handling is that of positioning. The benefit of adequate and supportive body positioning for preterm and full term neonates is well known. For example, proper positioning of the preterm neonate has been shown in some studies to greatly reduce the long-term affects of prematurity. Moreover, proper positioning increases feelings of security, promotes quieting and self-control, enhances psychological stability, promotes energy conservation, reduces psychological and behavioral stress, and enables stress to be better endured. Also, the preterm neonate should be provided with a variety of positions to prevent the negative consequences of, for example, joint stretching and/or to promote and facilitate the development of muscle These positions may generally range between and include a prone, a supine, and a side-lying position. It has also been shown that preterm neonates thrive when positioned to achieve full body containment, known as "nesting."

Most neonate body positioning is accomplished in a make-shift manner that usually requires touching of the neonate. Unfortunately, for preterm neonates who

suffer from symptoms related to negative touch or touch aversion, make-shift manners for providing positioning intervention may create a high degree of tactile stimulation caused by human touch. The excessive handling may counter any benefit derived from the positioning intervention.

For these reasons, what is needed is an infant positioning device which provides adequate support for an infant, including a preterm infant. The device should also provide a caregiver an ability for moving an infant between and including a supine, prone, or side-lying position, with little or no tactile stimulation for the infant caused by direct human touch.

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# SUMMARY OF THE INVENTION

In the present invention an infant positioning device provides support to an infant. The present invention further provides the caregiver the ability to move the infant between and including a supine, a prone, or a side-lying position, with minimal or no tactile stimulation of the infant caused by direct human touch.

In one aspect of the present invention a device is provided for supporting and positioning a neonate. The device includes a substantially conformable member and a plurality of support members. Each support member is moveable from a first position to a second position to facilitate the positioning of the neonate placed on the conformable member.

In another aspect of the present invention, a positioning device is provided for positioning an infant. The device includes a substantially conforming member. Coupled to the conformable member are at least two support members, which define a torso area on a

portion of the conformable member. Each of the support members is moveable from a first position to a second position. In response to the movement of at least one of the support members, the infant is repositionable from a first posture to a second posture.

In yet another aspect of the present invention, a method for repositioning an infant is provided. The method includes positioning an infant on a positioner in a first posture; and moving a support member from a first position to a second position to reposition the infant from the first posture to a second posture.

In each aspect of the invention the positioning of the neonate is accomplished while avoiding physical contact between a caregiver and the neonate.

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# BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a simplified illustration of an infant positioner in accordance with the present invention;

FIGs. 2A and 2B are simplified illustrations of top and bottom plan views of the positioner of FIG. 1;

FIGs. 3A and 3B are simplified illustrations of an embodiment of a support member in accordance with the principles of the present invention;

FIGs. 4A-4E are simplified illustrations of embodiments of the support member described in FIGs. 3A and 3B;

FIGs. 5A-5D are simplified illustrations of a method for positioning an infant in accordance with the principles of the present invention;

FIGs. 6A-6C are simplified illustrations of an alternative method for positioning an infant in accordance with the principles of the present invention; and

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FIGs. 7A and 7B are simplified illustrations of an alternative embodiment of the positioner of FIG. 1.

## DETAILED DESCRIPTION

FIG. 1, shows an infant positioning device in accordance with an embodiment of the present invention. In this embodiment, infant positioner 10 includes a conformable support member 12, having a head end 14 and a foot end 16. Coupled to infant positioner 10 are lateral support members 18 and 20, transverse support member 22, located at head end 14, and transverse foot support member 24, located at foot end 16. embodiment, support members 18, 20, 22, and 24 may be directly coupled to a surface of conformable member 12 using a conventional fastening means, such as with VELCRO®, by stitching, zippers or with snaps. In an alternative embodiment, support members 18, 20, 22, and 24 may be indirectly coupled to conformable member 12, using hollow sleeves 21. Hollow sleeves 21 are fastened to conformable member 12 in predetermined 20 positions, using conventional means, such as with VELCRO®, by stitching, zippers or with snaps. Support members 18, 20, 22, and 24 may be removably inserted into sleeves 21, as described in more detail below.

As best understood with reference to FIG. 1, support members 18, 20, 22, and 24 may be arranged to form approximately a rectangle, with conformable support member 12 being placed over the support members. With conformable member 12 in position over the support members, support members 18, 20, 22, and 24 form convoluted portions 28, which define a recessed central torso area 26. Torso area 26 is sized and shaped by manually positioning support members 18, 20,

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22, and 24. Preferably, the torso area is shaped for receiving the torso of an infant, including a preterm neonate. Although support members 18, 20, 22, and 24, have been shown arranged in a rectangle, any other geometric arrangement is considered to be within the scope of the present invention. For example, support members 18, 20, 22, and 24 may be positioned into a circular, a square, or a triangular arrangement.

FIGs. 2A and 2B, illustrate a top and bottom view, respectively, of infant positioning device 10. FIG. 2A, shows conformable support member 12, placed over support members 18, 20, 22, and 24 (not shown), to form convoluted areas 28, which surround torso area 26. Preferably, conformable member 12 can include any substantially flexible and comfortable material that can conform to the arrangement of support members 18, 20, 22, and 24 and has a density suitable for cushioning the neonate. Conformable member 12 may include, but is not limited to a padded blanket or a thin padded mattress. Although, conformable member 12 is shown in FIG. 2A as substantially a rectangular shaped member, member 12 may include any suitable geometric shape, which can be used for the intended purpose of conformable member 12 as described herein.

FIG. 2B, shows support members 18, 20, 22, and 24 coupled to bottom surface 32 of conformable member 12. Lateral support members 18 and 20 are coupled at opposite sides of underside 32, and extend generally from head end 14 toward foot end 16 of positioner 10. Lateral members 18 and 20 restrict lateral movement of an infant placed in torso area 26 of positioner 10. Typically, lateral members 18 and 20 extend at least three-quarters of the distance of the lateral length of conformable member 12; preferably the lateral members

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extend at least half of the distance. In one embodiment, lateral support members 18 and 20 may have a length of between about 10 and 20 inches, preferably about 12 inches. Although, lateral support members 18 and 20 are shown in FIG. 2B as having approximately equal lengths, in an alternative embodiment, lateral members 18 and 20 may have different lengths.

Transverse member 22 is coupled to under surface 32 of conformable member 12 at head end 14. Lateral support members 18 and 20 cooperate with transverse member 22 to form torso area 26. In one embodiment, torso area 26 can be a substantially U-shaped area, framed on all sides by convoluted areas 28. Optionally, foot support member 24 is disposed opposite to transverse member 22 at the foot end 16 of conformable member 12. Foot member 24 acts to close in the U-shaped area defining torso area 26. cooperation with the other support members, foot member 24 allows restriction of all movement of the neonate. This arrangement is generally referred to as a "nest" and provides the neonate with full body containment. Foot member 24 has been described herein as being optional; however, it should be understood that in alternative embodiments of positioner 10, each support member 18, 20, 22, and 24 is removable from conformable member 12, which makes the use of any one support member optional. For example, a caregiver may find it necessary for a given positioning intervention to use only one lateral support member in cooperation with the

Lateral support members 18, 20, transverse member 22, and foot support member 24 are each typically made of a resilient material that can be conformed to a shape that provides support to the infant placed in

transverse and foot support members.

torso area 26. Support members 18, 20, 22, and 24 may be constructed in a manner similar to what are commonly referred to as bead bags or else pillows. embodiment, illustrated in FIG. 3A, each support member may be made from a collapsible bag 42 that contains a filler material 44. In this embodiment, collapsible bag 42 may contain polystyrene beads 44, or optionally, bag 42 may contain filler materials 44, such as a polysilicon gel, feathers, air, liquid, resilient foam 10 and flaxseed. The outer material of bag 42 may be made of any resilient and conformable material that is capable of holding contents within the bag, such as the above-described filler materials. Examples of bag materials include vinyl, plastic, tightly woven cloth, fleece, and the like. As shown in FIG. 3B, end 46 of 15 bag 40 may be sealed in a conventional manner that allows for securely holding the contents. For example, a plastic bag 42 may be heat sealed or glued, whereas a cloth bag 42 may be stitched.

20 In the embodiment illustrated in FIG. 1, support members 18, 20, 22, and 24 are cylindrical in shape. However, the length, width, diameter, and overall shape of the support members may be varied to provide any desired arrangement. For example, support member 40 25 (Fig. 3A) may be constructed in lengths and diameters that allow for adequate support of infants of variable sizes and shapes. In most cases, the support members can be at least half as long as the length of the torso portion of the neonate. Since the support members are 30 removable and replaceable, it may be appreciated by those of skill in the art that as the neonate grows, differently sized and shaped support members may be used to accommodate such growth.

Each support member 18, 20, 22, and 24 may be directly or indirectly coupled to conformable member In one embodiment, support members 18, 20, 22, and 24 are coupled to conformable member 12 in a manner 5 that allows the support members to be movable. Preferably, the movement includes pivoting or swinging support members 18, 20, 22, and 24 from the coupling point. In one embodiment, shown in FIGs. 4A and 4B, an exemplary support member 50 is shown coupled to conformable member 12 indirectly through hollow sleeve 10 Hollow sleeve 52 may be coupled to member 12 using any conventional fastening means 54, which may include sewing sleeve 52 to member 12. Alternatively, sleeve 52 may be coupled to member 12 using, for example, a VELCRO® fastener, a tongue and groove device, a zipper, 15 buttons, snaps, or other similar fastening means. Support member 50 is removably insertable into hollow sleeve 52. Optionally, sleeve 52 may be closeable at ends 56 and 58 using conventional closing means 57, such as VELCRO® fasteners, a zipper, buttons, snaps, or other similar means, which facilitate holding support

Support member 50 is moveable between a first and a second position. Typically, the motion is a pivoting or swinging movement in the direction generally indicated by arrow 60 in FIG. 4B. Optionally, fastening means 54 may also include an extended strip of material, as shown in FIG. 4E, which allows support member 50 not only to swing or pivot, but to be moved a distance D relative to the coupling point of fastening means 54. In an alternative embodiment, as illustrated in FIGs. 4C and 4D, support member 50 may be coupled directly to member 12 using any one of the abovedescribed fastening means 54 or their equivalent.

member 50 in sleeve 52.

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FIGs. 5A-5C illustrate an example, with no intention to limit the invention thereby, an embodiment of the operation of positioner 10. In this embodiment, positioner 10 may be manipulated (i.e., rotated, pivoted, moved, etc.) so as to reposition a neonate N placed on positioner 10. Preferably, the infant is repositioned without requiring the caregiver to directly touch the infant.

FIGs. 5A-5C show a rear end view of positioner 10

with a neonate N positioned in torso area 26.

Additional support members are not shown for ease of illustration. In this example, neonate N is in a sidelying position as indicated by the direction of the neonate's feet. To support neonate N, support members

18 and 20 are snugged up against neonate N, and may optionally be turned in under the infant. Once neonate N is placed in torso area 26, support members 18 and 20 may be manipulated from below conformable member 12, such that there is no direct touching necessary between the neonate and the caregiver.

To reposition neonate N, torso area 26 may be expanded by pivoting, swinging, or otherwise moving one or both of support members 18 and 20. For example, as shown in FIG. 5B, support member 20 is pivoted or rolled, such that torso area 26 is made larger, so neonate N can be rolled over in the direction indicated by arrow 64. Preferably, neonate N rolls as member 20 is being moved away, so that neonate N is supported at all times during the repositioning maneuver. In this example, the neonate is made prone. However, alternatively as indicated in FIG. 5C, neonate N may be rolled back to a side lying-position, if the caregiver so desires. In this example, to perform the maneuver of FIG. 5C, support member 18 is rolled under in the

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direction indicated by arrow 64, such that member 18 pushes under the neonate's body, thereby forcing the neonate to continue to roll.

As shown in FIG. 5D, members 18 and 20 may be moved back so as to be snugged against neonate N once neonate N is in the desired position. Those who are skilled in the art will appreciate that during the movement of support members 18 and 20, the neonate N, whether in a prone, supine, or side-lying position, or moving therebetween, is adequately supported and protected by the support members. Moreover, because in each repositioning maneuver described above, support members 18 and 20 are moved or manipulated from below conformable surface 12, one of skill in the art should also appreciate that there is no need for the caregiver to have to directly touch or tactily stimulate neonate N.

Given the above example, it will also be appreciated that the length and diameter of the support members can be changed and still cooperate with each other to perform the positioning and repositioning function. Accordingly, different support members of different lengths and different diameters can be used together as the neonate grows. Also by using support members of different lengths and different diameters, different neonates can use the same positioning device. By allowing for a variation of lengths and diameters, the care giver is given greater latitude in performing the new positioning function which suites the personal needs of the neonate and/or the care giver.

FIGs. 6A-6C illustrate a method for moving an infant I between a first posture and a second posture. As shown in FIG. 6A, conformable member 12 may be

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wrapped about lateral support members 18 and 20 to form convoluted areas 76 and 77, such that torso area 26 is formed therebetween. Infant I is placed on conformable member 12 in torso area 26 in either a supine, a prone,

- or a side-lying position or in some position inbetween. Each of the lateral support members may then be positioned snugly against infant I. Once the infant I is to be moved, either lateral member 18 or 20, and in some instances both, may be unrolled in the
- direction shown by arrow 70, such that convolution 77 10 is unfurled. Infant I can then simultaneously, or when desired, roll in the direction indicated by arrow 72 from a side-lying position to a prone position or else back to a side-lying position. Once infant I has been moved, member 20 may be re-rolled as indicated by arrows 74, such that convolution 77 is reformed by member 20 and is snugly supporting infant I.

Optionally, transverse member 22, foot member 24, or both, may have been added to positioner 10 in the above embodiment. As described above, transverse member 22 and foot member 24 may be rolled in and out to provide support and facilitate positioning of neonate N.

FIGs. 7A and 7B, show an alternative embodiment of the present invention. In this embodiment, positioner 80 includes multiple lateral members 82, 84, 86, and 88, where members 82 and 84 are disposed opposite members 86 and 88. Conformable member 12 may have slits 92 and 94, which are directed in away from an edge of member 12 towards torso area 26. As shown in 30 FIG. 7B, slits 92 and 94 allow members 82, 84, 86, and 88 to be moved independently of one another either in or out from torso area 26 to provide the caregiver with additional options for positioning and supporting

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infant I. In one embodiment, members 84 and 88 may be pivotally attached or hinged to members 82 and 86, respectively.

Although the present invention has been described with reference to specific embodiments, these embodiments are illustrative only and are not intended to limit the invention in any manner. Modifications and variations will become apparent in light of the disclosure and the following claims. All such modifications and variations are within the scope of the invention as set forth in the claims when interpreted in accordance with the breadth to which they are legally and equitably entitled.

# WHAT IS CLAIMED IS:

- 1. A device for supporting and positioning a neonate, the device comprising:
  - a conformable member; and
- a plurality of support members coupled to the conformable member, each support member being moveable from a first position to a second position to facilitate the positioning of the neonate placed on the conformable member.
- 2. The device of Claim 1, wherein the positioning of the neonate is accomplished without direct physical contact between a caregiver and the neonate.
- 3. The device of Claim 1, further comprising a fastening means for coupling each of the support members to a portion of the conformable member.

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- 4. The device of Claim 3, wherein the fastening means comprises a plurality of hollow sleeves, coupled to a portion of said conformable member, wherein each hollow sleeve has an open end to insertably receive one of the plurality of support members.
- 5. The device of Claim 1, wherein each of the support members is removably coupled to the conformable member.

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6. The device of Claim 1, wherein the conformable member comprises a material having a density sufficient for cushioning the infant.

7. The device of Claim 1, wherein the conformable member comprises a structure taken from the group consisting of a padded blanket and a padded mattress.

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- 8. The device of Claim 1, wherein the plurality of support members comprises:
- a transverse support member coupled substantially transversely along a head end of the conformable member; and

at least one lateral support member coupled substantially laterally along a lateral edge of the conformable member.

9. The device of Claim 1, wherein the plurality of support members comprises a pair of lateral support members coupled substantially along opposing lateral edges, the pair of support members defining a torso area on the conformable member.

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- 10. The device of Claim 1, wherein each of the plurality of support members comprises a sealable collapsible bag having a filler material.
- 25 11. The device of Claim 10, wherein the filler material is taken from the group consisting of polystyrene beads, down feathers, resilient foam, air, liquid, flaxseed and silicon gel.
- 30 12. The device of Claim 1, wherein the support members define a torso area on a portion of the conformable member which provides support to the neonate placed thereon in either a supine, a prone, and a side-lying position.

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- 13. The device of Claim 1, wherein movement of at least one of the plurality of support members allows the position of the neonate to vary from a first posture to a second posture.
- 14. The device of Claim 13, wherein the first and the second postures comprise a supine, a prone, and a side-lying position.

15. A positioning device for positioning an infant, the device comprising:

a substantially conforming member;

at least two support members coupled to a portion

of said conforming member to define a torso area
thereon, each of said support members being moveable
from a first position to a second position, the infant
being repositioned from a first posture to a second
posture in response to the movement of at least one of
the support members.

- 16. The device of Claim 15, wherein the repositioning of the infant is accomplished while avoiding human touch between the infant and a caregiver.
- 17. An infant positioning device comprising:

  means for moving an infant from a first position
  to a second position without the aid of human touch
  30 applied to the infant.
  - 18. A method for repositioning an infant, the method comprising:

positioning an infant on a positioner in a first posture; and

moving a support member between a first position and a second position to reposition the infant from the first posture to a second posture.

- 19. The method of Claim 18, wherein said moving further comprises minimizing human touch between the infant and a caregiver.
- 20. The method of Claim 18, wherein said moving comprises removing a support member from the positioner.

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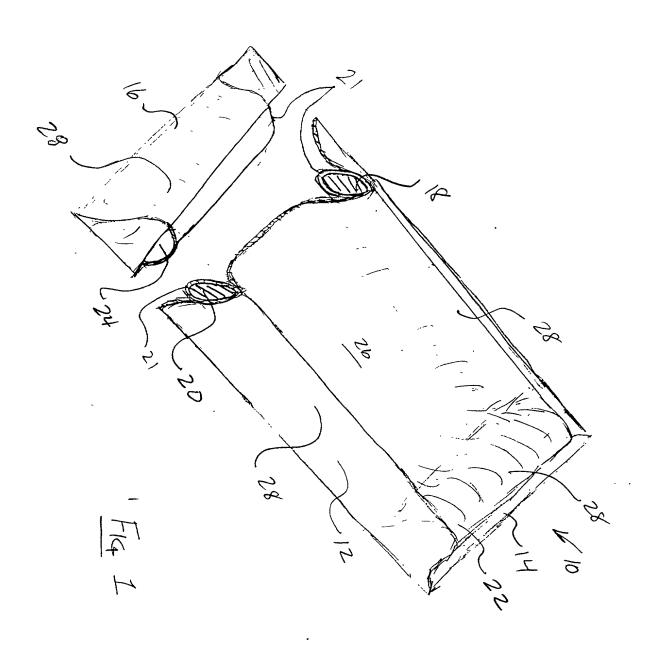
#### INFANT POSITIONING DEVICE

Mary S. Rogone Philip N. Rogone

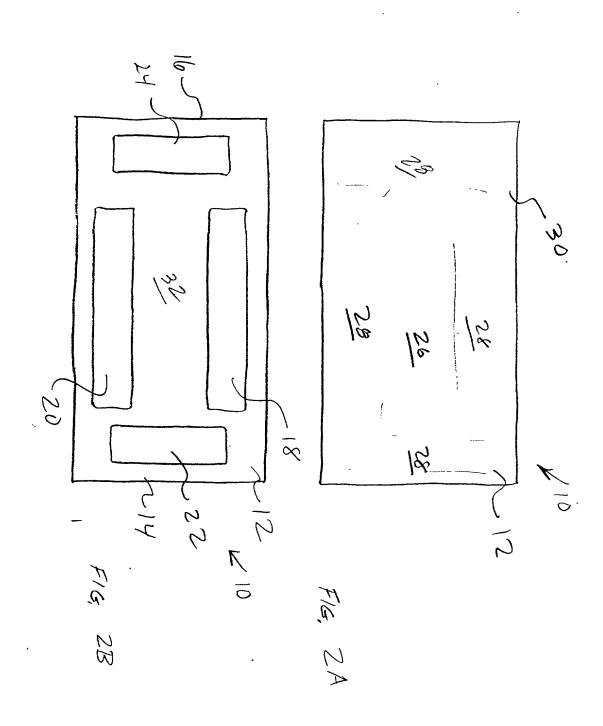
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# ABSTRACT OF THE DISCLOSURE

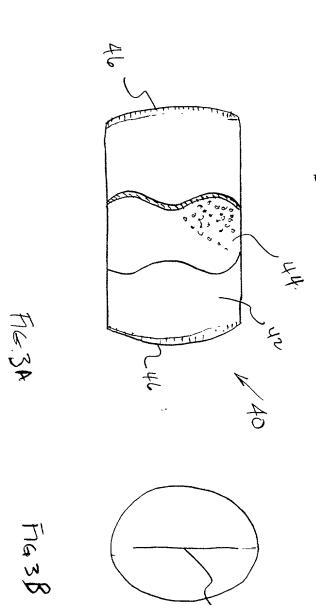
An infant positioning device which provides the ability to move an infant, a preterm infant, and/or a newborn between and including a supine, prone, or side-lying position, with little or no tactile stimulation of the infant caused by human touch.





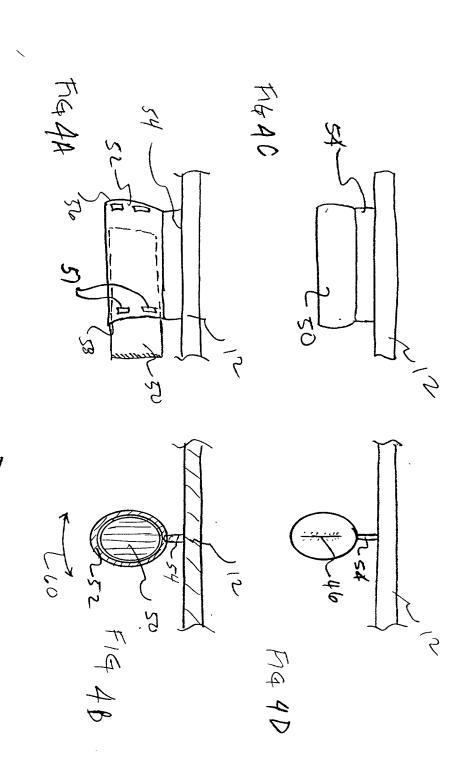




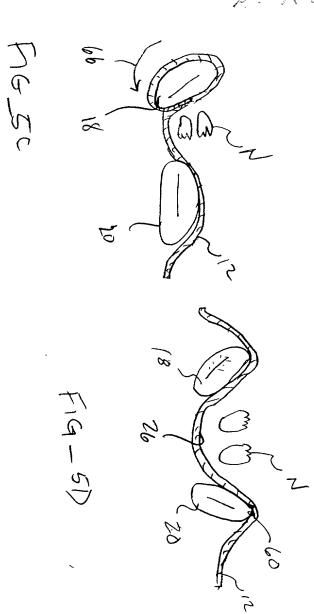


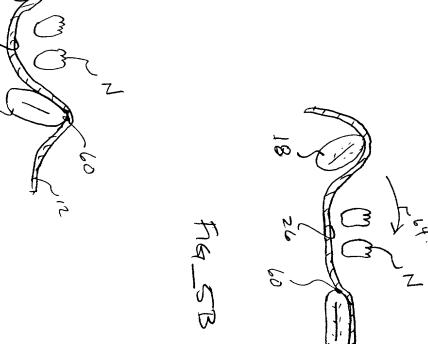


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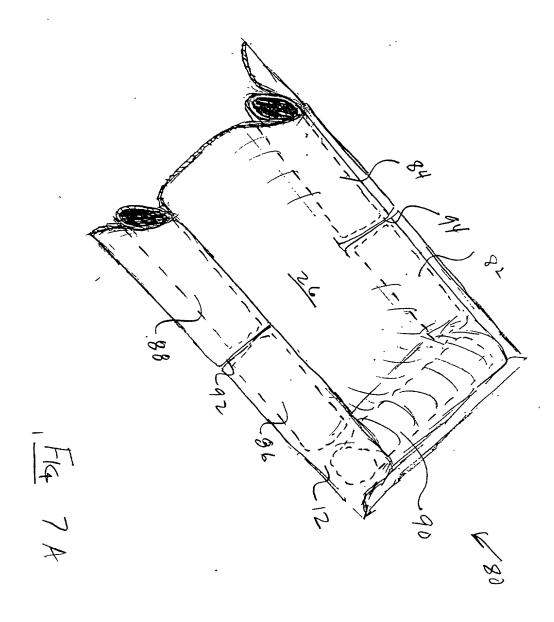
78 F16-5A





12/ B) FIG 6 C

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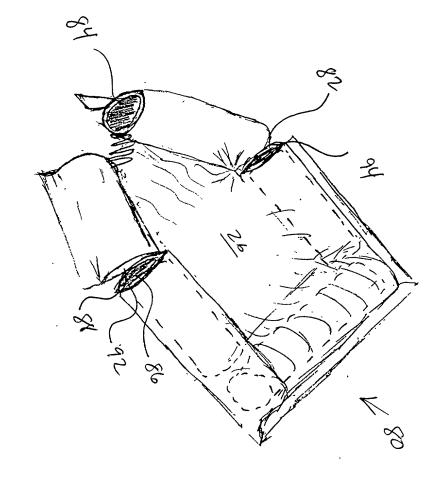


FIG 7B

Attorney Docket No.: M-7599 US

# DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am an original, first and joint inventor of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

## **Infant Positioning Device**

|  |   |   | <del>-</del>  |   |  |  |
|--|---|---|---|---|--|--|
| which (check)  | hich (check) is attached hereto.  and is amended by the Preliminary Amendment attached hereto.  was filed on as Application Serial No.  and was amended on (if applicable). |   |   |   |  |  |
| I hereby state the including the classical control of the classical con | nat I hav<br>aims, as   | re reviewed and understa<br>amended by any amendr   | and the contents of the above id ment referred to above.  | entified spe  | cification,  |  |
|  |   | to disclose information, gulations, § 1.56.   | which is material to patentabili  | ty as define  | ed in Title  |  |
| application(s) for<br>least one countr<br>any foreign app<br>designating at l  | or patent<br>y other<br>olication<br>least one  | t or inventor's certificate<br>than the United States of<br>(s) for patent or invento<br>e country other than the | tle 35, United States Code, § 119 or any PCT international application of America listed below and have r's certificate or any PCT international United States of America files the application(s) of which prior | ation(s) desi<br>also identif<br>national app<br>d by me on | ignating at<br>fied below<br>dication(s)<br>the same |  |
|  |   | Prior Foreign Applicat  | ion(s)  | Priority  | Claimed  |  |
| Number   |   | Country   | Day/Month/Year Filed  | Yes   | No   |  |
| N/A  |   |   |   |   |  |  |
| I hereby claim provisional app   |   |   | United States Code, § 119(e)  | of any Uni  | ted States   |  |
| Provisional Application Number   |   |   | Filing Date   |   |  |  |
|  | N   | 'A  |   |   |  |  |
| I hereby clain   | n the b   | enefit under Title 35,  | United States Code, § 120 (   | of any Uni  | ted States   |  |

| Application Serial No. | Filing Date | Status (patented, pending, abandoned) |  |  |
|------------------------|-------------|---------------------------------------|--|--|
| N/A                    |             |                                       |  |  |

prior application(s) and the national or PCT international filing date of this application:

application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Kent B. Chambers (38,839); Michael P. Adams (34,763); Robert B. Morrill (43,817); Michael J. Halbert (40,633); Gary J. Edwards (41,008); William B. Tiffany (41,347); James E. Parsons (34,691); Daniel P. Stewart (41,332); Philip W. Woo (39,880); John T. Winburn (26,822); Tom Chen (42,406); Fabio E. Marino (43,339); William W. Holloway (26,182); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Bernice Chen (42,403); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Glen B. Choi (43,546); Hugh H. Matsubayashi (43,779); Margaret M. Kelton (44,182); Joseph T. VanLeeuwen (44,383); Patrick D. Benedicto (40,909); T.J. Singh (39,535); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); Theodore P. Lopez (44,881); John D. Odozynski (28,769).

Please address all correspondence and telephone calls to:

Theodore P. Lopez Attorney for Applicant(s)

# SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP

25 Metro Drive, Suite 700 San Jose, California 95110-1349

Telephone: 408-453-9200 Facsimile: 408-453-7979

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of first joint inventor:

Rogone, Mary S.

Inventor's Signature:

Residence:

ictorville. CA

Post Office Address:

18090 Harbor Drive

Victorville, CA 92392

Citizenship:

Date:

U.S.A.

Full name of second joint inventor:

Rogone, Philip N.

Inventor's Signature:

Victorville, CA

Post Office Address:

Residence:

18090 Harbor Drive

Victorville, CA 92392

Date:

e: 1/29/2000

Citizenship: U.S.A.